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Cumulative Michigan COVID-19 Data

Michigan COVID-19 State Data

10-21-2020

2020-10-21_MichiganOverview_COVIDstats

Michigan Department of Health & Human Services

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Coronavirus



CORONAVIRUS / MICHIGAN DATA

Michigan Data

DATA ABOUT
PLACES

LONG TERM CARE FACILITIES

CORONAVIRUS
SYMPTOMS

CUMULATIVE
RECOVERED

OUTBREAK
REPORTING



SCHOOL-RELATED
OUTBREAK REPORTING



CURRENT STATUS

DAILY CASES

CUMULATIVE TRENDS

DEMOGRAPHICS

TOTAL TESTING

DIAGNOSTIC TESTING

LEARN MORE

View Cases

View Deaths

View Table

COVID-19 Cases by County

Confirmed cases include individuals with a positive diagnostic test for COVID-19. Probable cases include individuals with COVID-19 symptoms and an epidemiologic link to confirmed COVID-19, but no diagnostic test.

Cases by County

Select Preparedness Region:
All

Select County:
All

This report is provisional and subject to change. City of Detroit and Wayne County are reported separately. MDHHS began tracking probable cases April 5, 2020. FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections. Diagnostic tests, including nucleic acid amplification/real-time polymerase chain reaction (NAAT/RT-PCR) and rapid virus antigen detection point of care (POC) tests, look for current infection. Serology (antibody) tests are used to look for the possibility of previous infection.

Source: Michigan Disease Surveillance System (MDSS) and Vital Records.

9-55

56-314

315-2456

2457-23607

23608+

Michigan

Wednesday, October 21, 2020

Michigan (Statewide) Case Fatality Rate

4.7%

Current Totals



Case Status	Cases	Deaths
Confirmed	150,989	7,086
Probable	16,883	332
Total	167,872	7,418

Laboratory Testing

Test Type	Tests Performed
Diagnostic	4,458,664
Serology	316,762
Total	4,775,426

Microsoft Power BI

< 1 of 7 >

Q

X

Cases by Hispanic/Latino Ethnicity		
Hispanic/Latino Ethnicity	Percentage of Overall Cases by Ethnicity	Percentage of Deceased Cases by Ethnicity
Hispanic/Latino	8%	2%
Non-Hispanic Latino	71%	86%
Unknown	21%	12%

/

Totals may not add to 100% due to rounding

Cases by Arab Ethnicity

Arab Ethnicity	Percentage of Overall Cases by Ethnicity	Percentage of Deceased Cases by Ethnicity
Arab	4%	2%
Non-Arab	57%	48%
Unknown	38%	50%

Totals may not add to 100% due to rounding

PUBLIC USE DATASETS 10/21/2020

(Downloadable .xlsx files)

Cases and Deaths by County

Cases and Deaths by County by Date

Cases by Demographics Statewide

COVID-19 Tests by County

Diagnostic Tests by Result and County

Cumulative Total of Recovered COVID-19 Cases

Cumulative Total of Recovered COVID-19 Cases (as of 10/17/2020): **109,539**

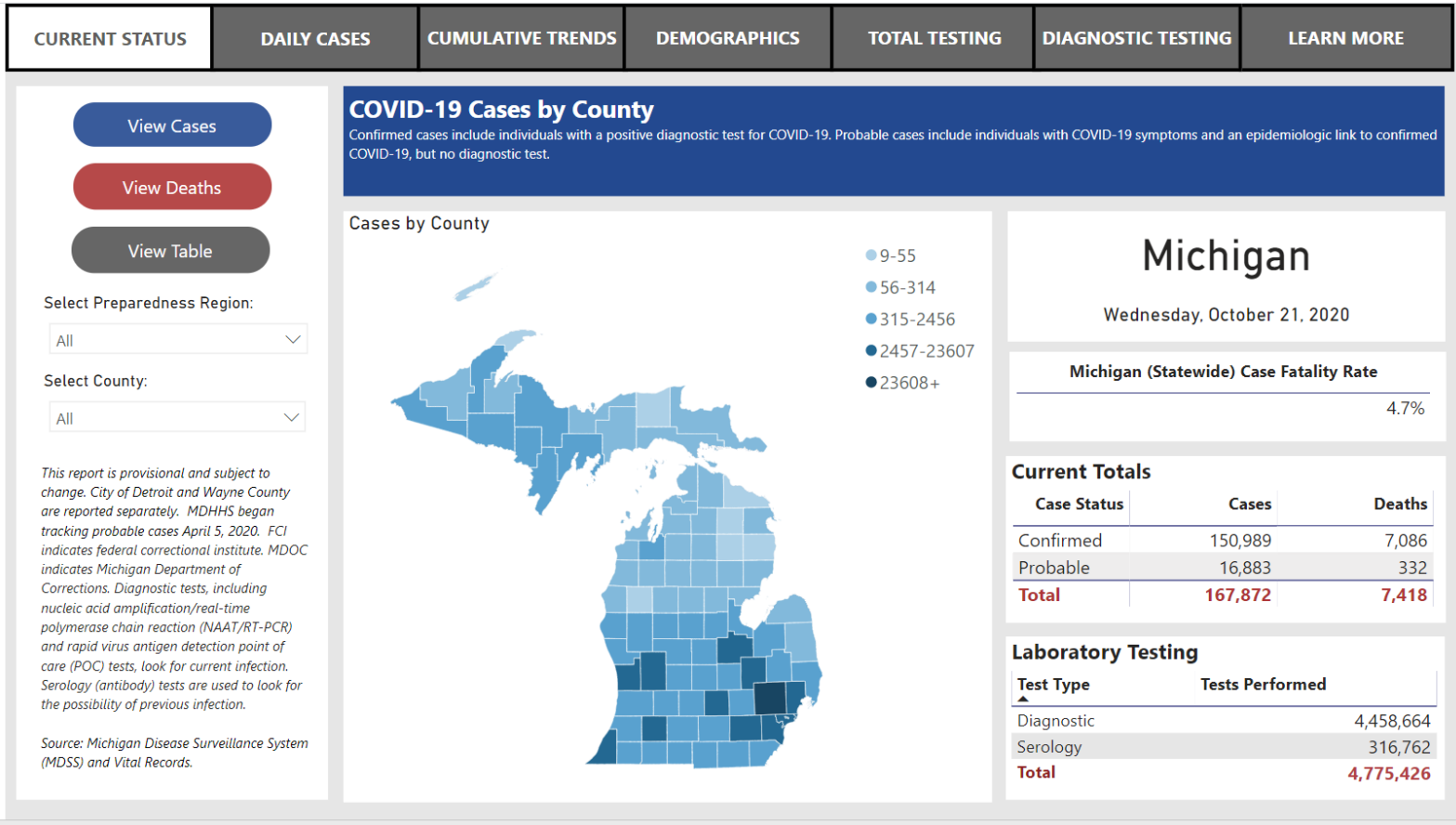
Note on recovery: During this response, MDHHS is reviewing vital records statistics to identify any laboratory confirmed COVID-19 cases who are 30 days out from their onset of illness to represent recovery status. As the pandemic continues to impact Michigan, this pool will expand to include more cases. Recovered is defined as the number of persons with a confirmed COVID-19 diagnosis who are alive 30 days post-onset (or referral date if onset is not available). The number of persons recovered on October 16, 2020 represents COVID-19 confirmed individuals with an onset date on or prior to September 16, 2020. If an individual dies from a COVID-related cause >30 days from onset/referral, they are removed from the number of persons recovered. These numbers will be updated every Saturday.

Source: Michigan Disease Surveillance System and Vital Records



●
[MICHIGAN.GOV HOME](#)
[ADA](#)
[MICHIGAN NEWS](#)
[POLICIES](#)





Confirmed Cases

Deaths

View Table

Select Preparedness Region:

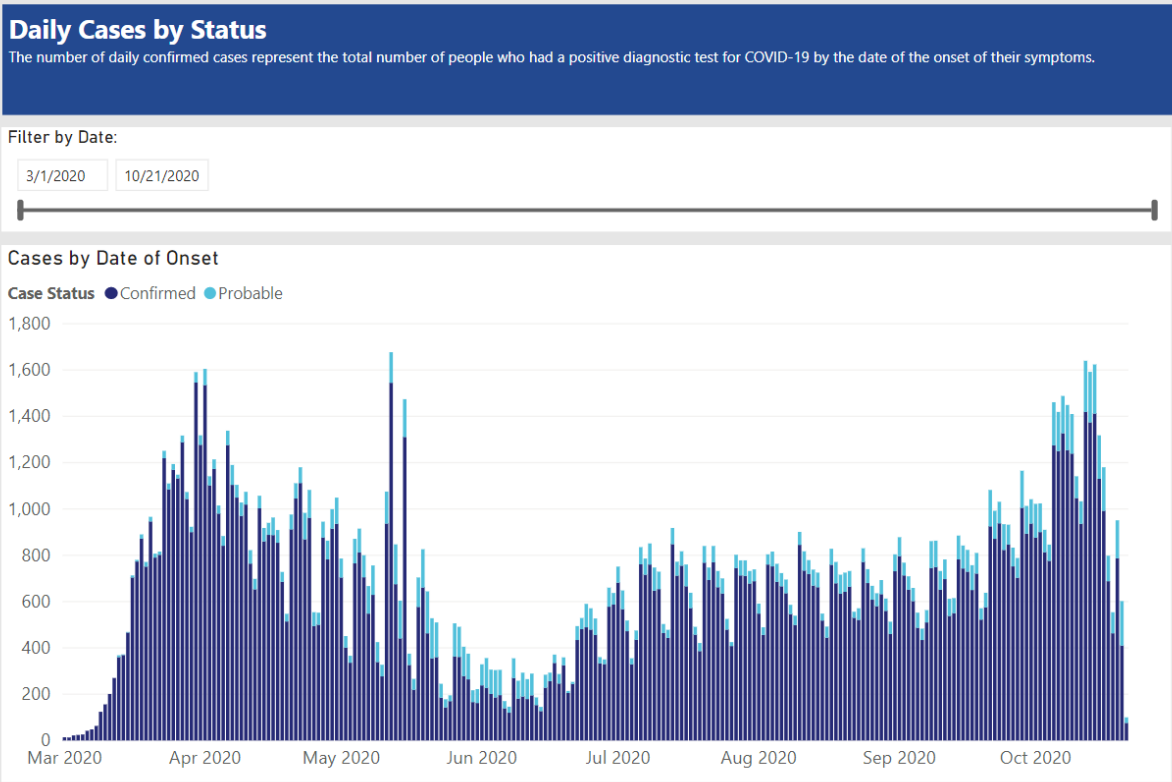
All

Select County:

All

Cases are shown by onset date or by lab specimen collection date if onset date was unavailable. Deaths are shown by date of death or date of last status update if date of death was unavailable. Tracking of probable cases and deaths did not begin until April 5, 2020, therefore only probable cases referred for investigation on or after April 5, 2020 are displayed (onset may have been prior).

Notes: FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections.



Confirmed Cases

Deaths

View Table

Select Preparedness Region:

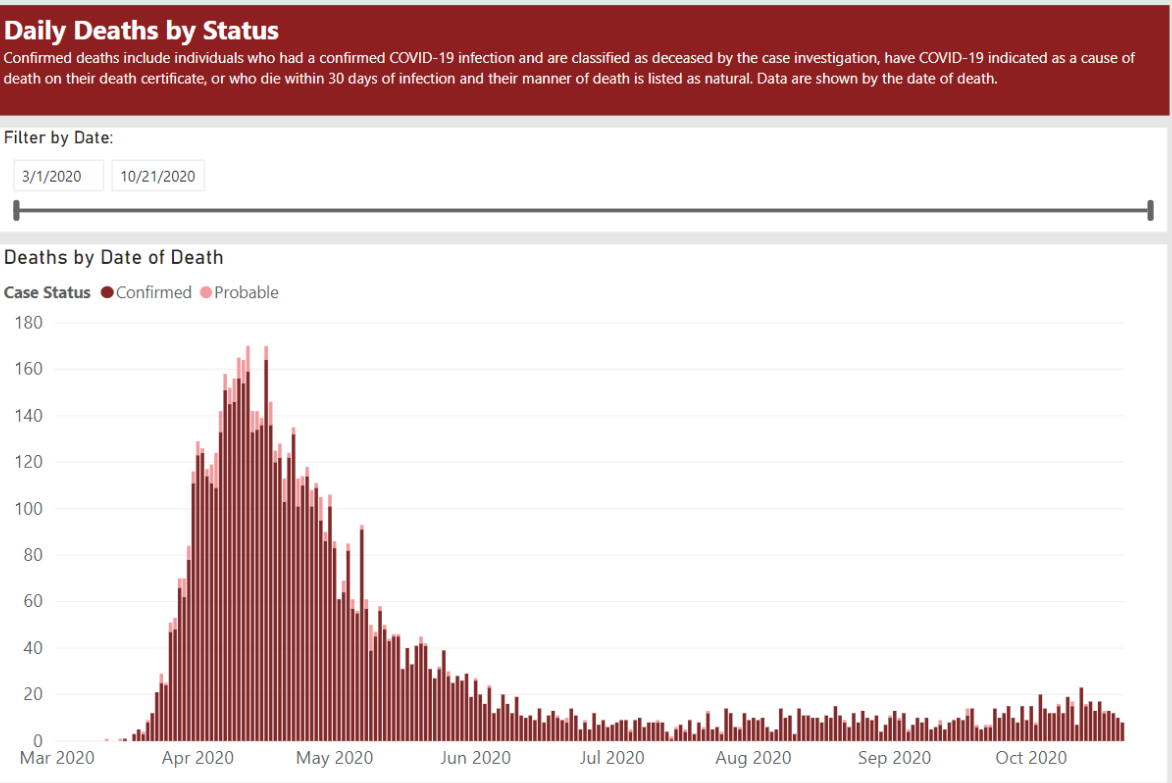
All

Select County:

All

Cases are shown by onset date or by lab specimen collection date if onset date was unavailable. Deaths are shown by date of death or date of last status update if date of death was unavailable. Tracking of probable cases and deaths did not begin until April 5, 2020, therefore only probable cases referred for investigation on or after April 5, 2020 are displayed (onset may have been prior).

Notes: FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections.



View Table

View Chart

Select Preparedness Region:

All

Select County:

All

Cases are shown by onset date or by lab specimen collection date if onset date was unavailable. Deaths are shown by date of death or date of last status update if date of death was unavailable. Tracking of probable cases and deaths did not begin until April 5, 2020, therefore these data are not displayed by date.

Notes: FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections.

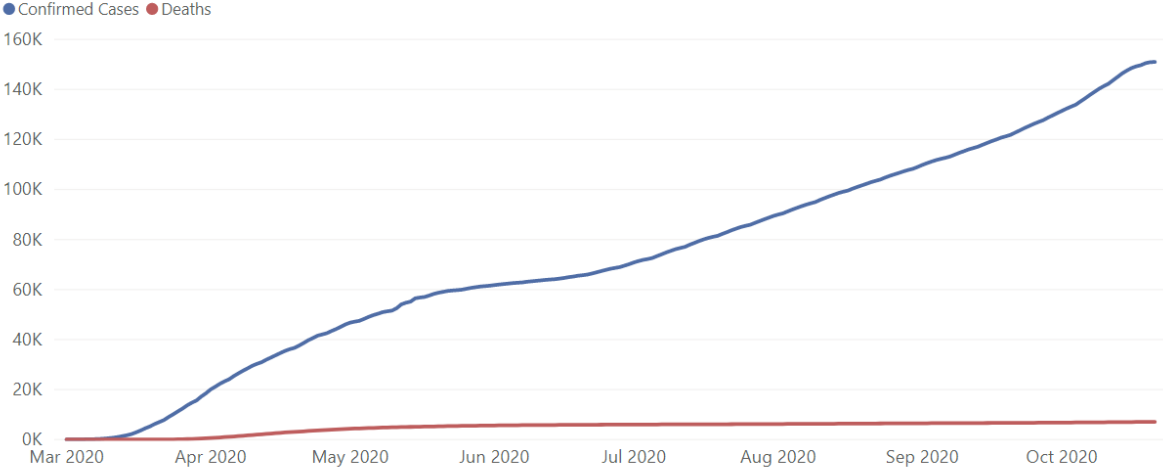
Cumulative Confirmed Cases and Deaths among Confirmed Cases

Cumulative cases represent the total number of people who had a positive diagnostic test for COVID-19. Cases are shown by the date of onset of symptoms. Cumulative Deaths represent the total number of people who had a confirmed COVID-19 infection and are classified as deceased by the case investigation, have COVID-19 indicated as a cause of death on their death certificate, or who die within 30 days of infection and their manner of death is listed as natural. Deaths are shown by date of death.

Filter By Date:

3/1/2020 10/21/2020

Cumulative Confirmed Cases and Deaths among Confirmed Cases by Date



Cases by Demographic Characteristics

Data are suppressed when the number of cases is five or below to protect the confidentiality of individuals. The sum of the cases for individual categories may be fewer than the total number of cases due to data suppression. Rates are not calculated for multiple races, other, and unknown race categories due to the unavailability of an appropriate denominator.

Cases

Deaths

Select case status:

- Confirmed
Probable

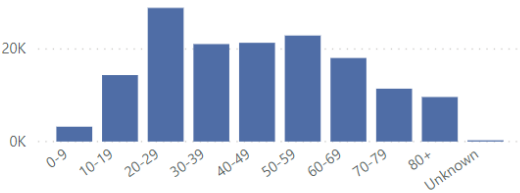
Select Preparedness Region:

All

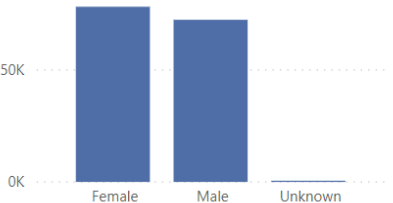
Select county:

All

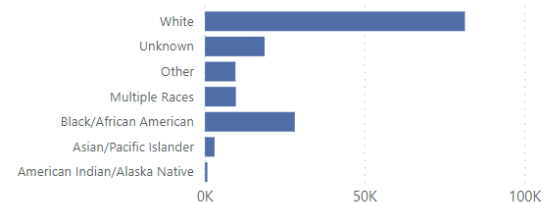
Cases by Age Group



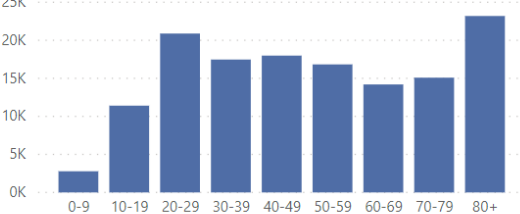
Cases by Sex



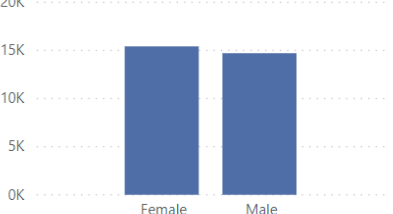
Cases by Race



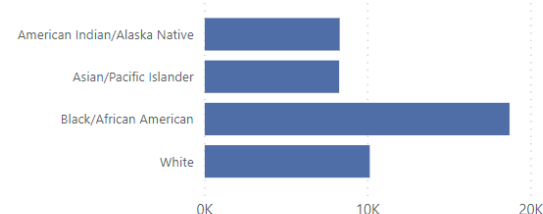
Cases per Million by Age Group



Cases per Million by Sex

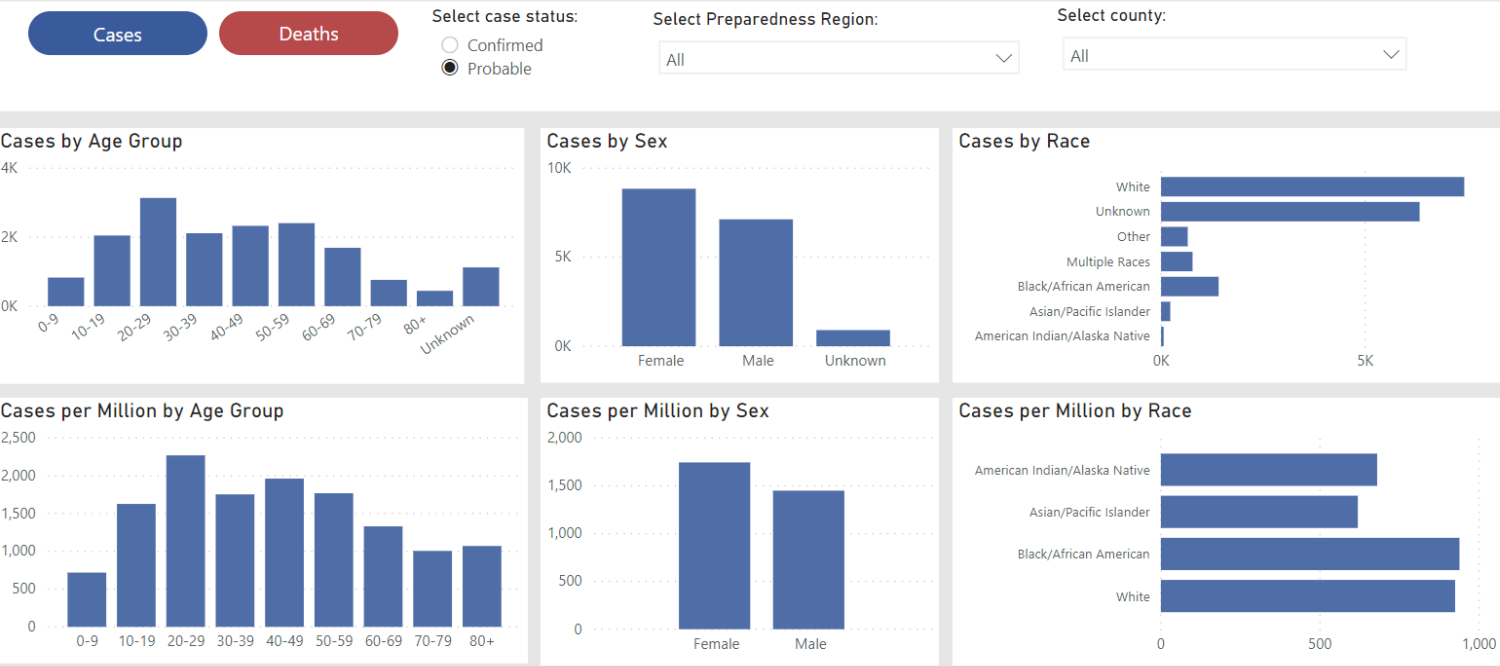


Cases per Million by Race



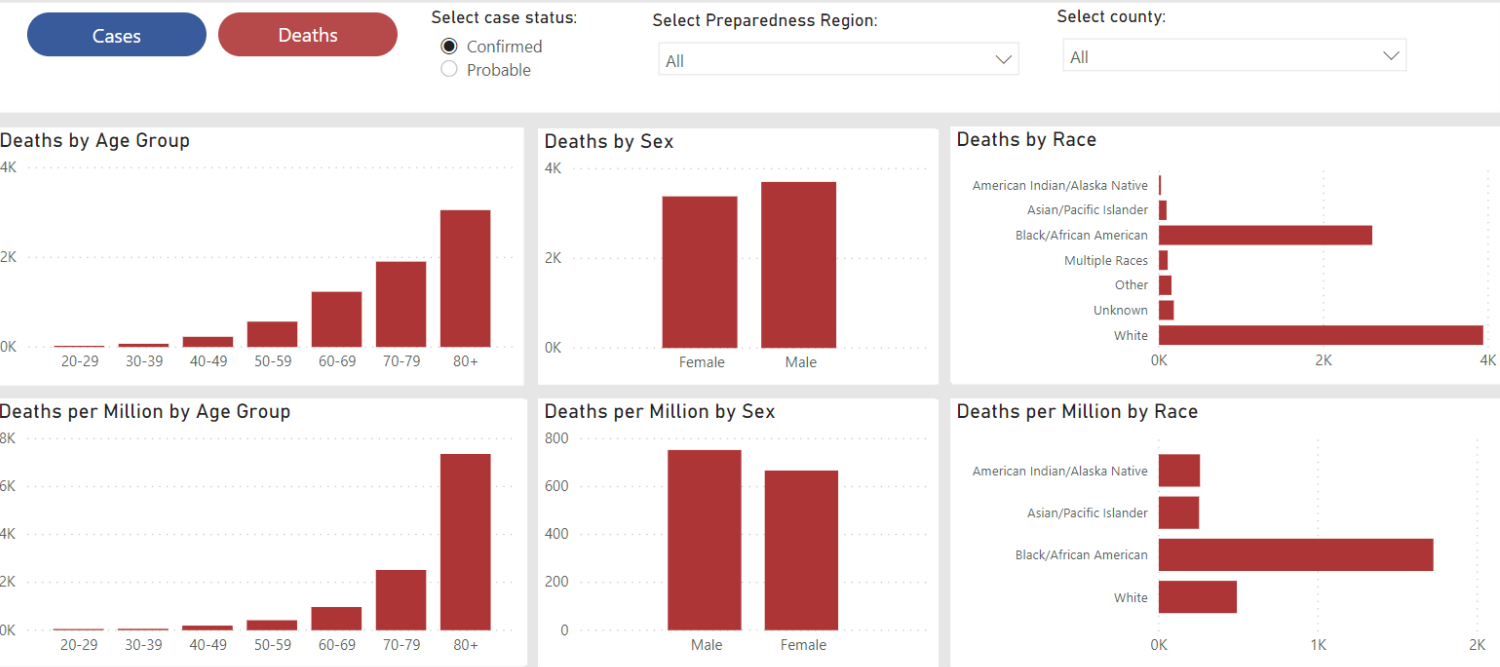
Cases by Demographic Characteristics

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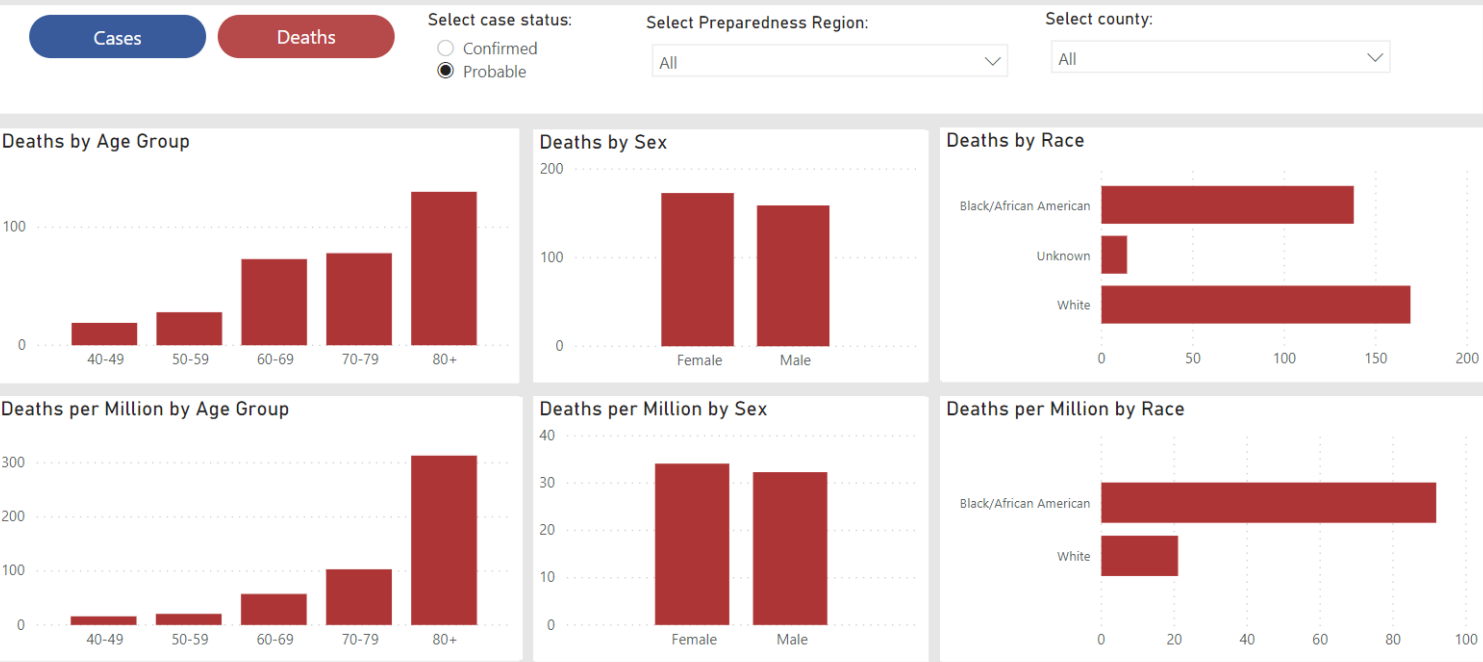
Deaths by Demographic Characteristics

Data are suppressed when the number of deaths is five or below to protect the confidentiality of individuals. The sum of the deaths for individual categories may be fewer than the total number of deaths due to data suppression. Rates are not calculated for multiple races, other, and unknown race categories due to the unavailability of an appropriate denominator.



Deaths by Demographic Characteristics

Data are suppressed when the number of deaths is five or below to protect the confidentiality of individuals. The sum of the deaths for individual categories may be fewer than the total number of deaths due to data suppression. Rates are not calculated for multiple races, other, and unknown race categories due to the unavailability of an appropriate denominator.



View Table

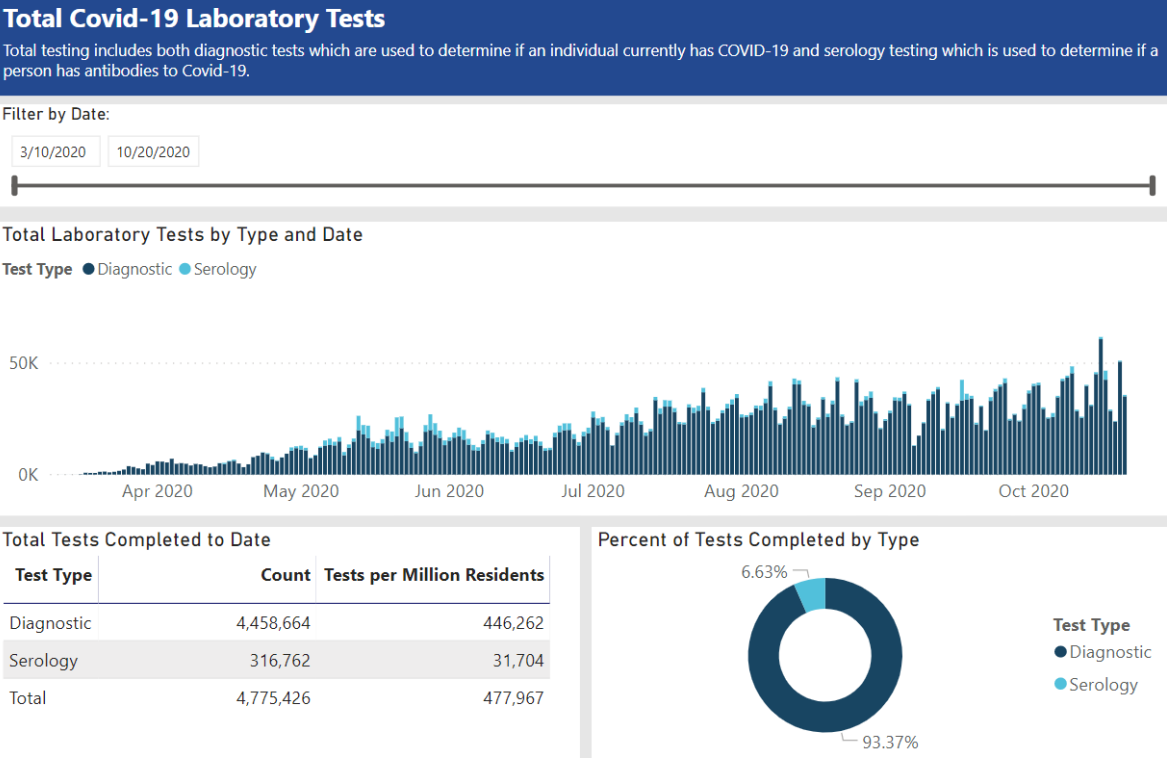
View Charts

Select Preparedness Region:
All

Select County:
All

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests.

Serology tests are used to look for the possibility of previous infection. Serology tests look for antibodies to SARS-CoV-2 in the blood. There are currently two types of serology tests: the enzyme-linked immunosorbent assay (ELISA) test and the rapid antibody detection POC test. Serology tests do not diagnose disease and do not guarantee immunity, but might provide information about previous infection.



CURRENT STATUS	DAILY CASES	CUMULATIVE TRENDS	DEMOGRAPHICS	TOTAL TESTING	DIAGNOSTIC TESTING	LEARN MORE
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View Table

View Charts

Select Preparedness Region

All

Select County

All

Diagnostic Covid-19 Laboratory Tests

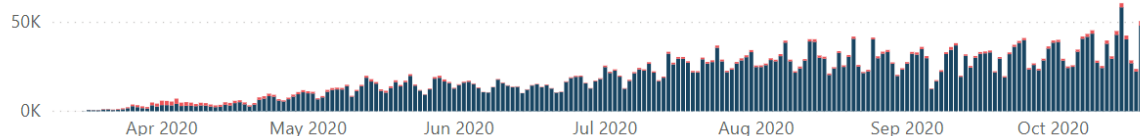
Diagnostic tests are used to determine if an individual is currently infected with Covid-19.

Filter by Date

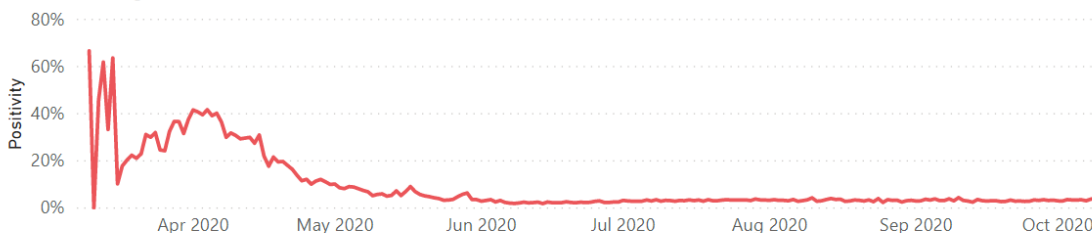
3/10/2020 10/20/2020

Total Laboratory Tests by Type and Date

Test Type ● Negative ● Positive



Percent of Diagnostic Tests That Were Positive



Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests. Diagnostic tests do not include serology tests which look for antibodies to SARS-CoV-2 in the blood.

CURRENT STATUS	DAILY CASES	CUMULATIVE TRENDS	DEMOGRAPHICS	TOTAL TESTING	DIAGNOSTIC TESTING	LEARN MORE
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Where does the data come from?

The State of Michigan COVID-19 Dashboard displays the most recent provisional data reported to the Michigan Department of Health and Humans Services (MDHHS) about cases in Michigan by selected demographics and county of residence (City of Detroit and Wayne County are reported separately). Data are reported to MDHHS via the [Michigan Disease Surveillance System \(MDSS\)](#). Provisional Death data are provided by the MDHHS Division for [Vital Records & Health Statistics](#).

How does MDHHS classify confirmed and probable cases?

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19. Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

How does MDHHS classify confirmed and probable deaths?

Confirmed deaths include individuals who meet one or more of the following conditions: 1) Have been identified as a confirmed case and classified as deceased as a result of a case investigation in the Michigan Disease Surveillance System (MDSS). MDSS is the database used by state and local health department to monitor reportable diseases like COVID-19; 2) have been identified as a confirmed case in MDSS had have a death certificate with COVID-19 listed as a cause of death; 3) have been identified as a confirmed case in MDSS and die within 30 days of onset of COVID-19 infection and have a death certificate which classifies their manner death as 'natural'. Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

Why do the number of probable cases fluctuate?

The number of probable cases can change daily based on the investigation efforts of the health department. When a probable case is first reported, local and/or state health department staff investigate to determine if the person meets the case definition of probable. As additional information is gathered, the case could be re-classified to confirmed, remain as probable, or be determined as not a case.

Why do data in the demographics tab not sum to the total number of cases for a county or region?

Data are not shown whenever the number of cases for a particular demographic category is fewer than six to protect the confidentiality of individuals. Rates are not calculated for other, multiple, and unknown race because an appropriate population denominator is not available for these categories at the county level.

Where can I get more information about COVID-19?

Visit <https://www.michigan.gov/coronavirus> to find information on resources and assistance, answers to frequently asked questions, and the latest updates on Michigan's response to COVID-19. For COVID-19 updates from CDC visit <https://www.cdc.gov/coronavirus/2019-ncov>.

PUBLIC USE DATASETS

Cases and Deaths by County

README

Includes total cases and deaths to date by case status (confirmed or probable) and county.

County is based on the county of residence.

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19.

Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

Confirmed deaths include individuals who meet one or more of the following conditions: 1) Have been identified as a confirmed case and classified as deceased as a result of a case investigation in the Michigan Disease Surveillance System (MDSS). MDSS is the database used by state and local health department to monitor reportable diseases like COVID-19; 2) have been identified as a confirmed case in MDSS had have a death certificate with COVID-19 listed as a cause of death; 3) have been identified as a confirmed case in MDSS and die within 30 days of onset of COVID-19 infection and have a death certificate which classifies their manner death as 'natural'.

Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

The number of probable cases can change daily based on information obtained through the health department investigation. Probable cases can be re-classified as a confirmed case or determined to not be a case.

CASES AND DEATHS BY COUNTY 2020-10-21

Updated	COUNTY	ConfirmedCases	ConfirmedDeaths	ProbableCases	ProbableDeaths
2020/10/21 14:43:46	Alcona	44	2	8	0
2020/10/21 14:43:46	Alger	77	1	24	0
2020/10/21 14:43:46	Allegan	994	7	115	0
2020/10/21 14:43:46	Alpena	133	14	23	0
2020/10/21 14:43:46	Antrim	95	0	11	0
2020/10/21 14:43:46	Arenac	81	3	8	0
2020/10/21 14:43:46	Baraga	62	4	13	0
2020/10/21 14:43:46	Barry	507	6	55	0
2020/10/21 14:43:46	Bay	1149	57	111	0
2020/10/21 14:43:46	Benzie	102	2	9	0
2020/10/21 14:43:46	Berrien	2227	80	230	1
2020/10/21 14:43:46	Branch	714	9	98	1
2020/10/21 14:43:46	Calhoun	2119	57	245	2
2020/10/21 14:43:46	Cass	804	24	77	0
2020/10/21 14:43:46	Charlevoix	123	4	17	0
2020/10/21 14:43:46	Cheboygan	102	2	17	0
2020/10/21 14:43:46	Chippewa	66	0	47	0
2020/10/21 14:43:46	Clare	202	9	19	0
2020/10/21 14:43:46	Clinton	850	14	113	0
2020/10/21 14:43:46	Crawford	131	5	9	0
2020/10/21 14:43:46	Delta	916	19	135	1
2020/10/21 14:43:46	Dickinson	493	12	11	1
2020/10/21 14:43:46	Eaton	918	11	92	0
2020/10/21 14:43:46	Emmet	180	4	13	0
2020/10/21 14:43:46	Genesee	5222	302	992	26
2020/10/21 14:43:46	Gladwin	146	2	26	0
2020/10/21 14:43:46	Gogebic	224	1	91	1
2020/10/21 14:43:46	Grand Traverse	608	13	72	0
2020/10/21 14:43:46	Gratiot	359	16	66	0
2020/10/21 14:43:46	Hillsdale	427	26	43	1
2020/10/21 14:43:46	Houghton	726	7	149	0
2020/10/21 14:43:46	Huron	216	5	43	0
2020/10/21 14:43:46	Ingham	4307	62	88	0
2020/10/21 14:43:46	Ionia	562	7	39	0
2020/10/21 14:43:46	Iosco	224	14	46	1
2020/10/21 14:43:46	Iron	353	20	33	1
2020/10/21 14:43:46	Isabella	836	15	112	0
2020/10/21 14:43:46	Jackson	1570	60	33	2
2020/10/21 14:43:46	Kalamazoo	3506	99	832	3
2020/10/21 14:43:46	Kalkaska	99	4	18	0
2020/10/21 14:43:46	Kent	12094	177	906	3
2020/10/21 14:43:46	Keweenaw	17	0	1	0
2020/10/21 14:43:46	Lake	50	0	5	0
2020/10/21 14:43:46	Lapeer	690	37	148	1
2020/10/21 14:43:46	Leelanau	127	2	11	0
2020/10/21 14:43:46	Lenawee	998	18	55	0
2020/10/21 14:43:46	Livingston	1601	32	257	1

2020/10/21 14:43:46	Luce	34	0	11	0
2020/10/21 14:43:46	Mackinac	117	0	29	0
2020/10/21 14:43:46	Macomb	16412	1021	956	49
2020/10/21 14:43:46	Manistee	109	3	6	0
2020/10/21 14:43:46	Marquette	725	12	137	0
2020/10/21 14:43:46	Mason	177	1	19	0
2020/10/21 14:43:46	Mecosta	394	4	19	0
2020/10/21 14:43:46	Menominee	559	3	75	0
2020/10/21 14:43:46	Midland	718	14	140	0
2020/10/21 14:43:46	Missaukee	66	1	17	0
2020/10/21 14:43:46	Monroe	1660	30	207	1
2020/10/21 14:43:46	Montcalm	488	8	61	0
2020/10/21 14:43:46	Montmorency	19	0	2	0
2020/10/21 14:43:46	Muskegon	1780	76	71	0
2020/10/21 14:43:46	Newaygo	526	3	18	0
2020/10/21 14:43:46	Oakland	19014	1177	4594	51
2020/10/21 14:43:46	Oceana	544	6	32	0
2020/10/21 14:43:46	Ogemaw	77	5	18	0
2020/10/21 14:43:46	Ontonagon	69	0	5	0
2020/10/21 14:43:46	Osceola	118	0	13	0
2020/10/21 14:43:46	Oscoda	35	1	19	0
2020/10/21 14:43:46	Otsego	193	11	28	0
2020/10/21 14:43:46	Ottawa	4311	67	221	5
2020/10/21 14:43:46	Presque Isle	35	1	6	0
2020/10/21 14:43:46	Roscommon	116	5	27	0
2020/10/21 14:43:46	Saginaw	3276	146	221	5
2020/10/21 14:43:46	Sanilac	169	6	7	1
2020/10/21 14:43:46	Schoolcraft	53	0	3	0
2020/10/21 14:43:46	Shiawassee	612	32	38	1
2020/10/21 14:43:46	St Clair	1148	63	227	1
2020/10/21 14:43:46	St Joseph	941	12	154	0
2020/10/21 14:43:46	Tuscola	530	34	78	0
2020/10/21 14:43:46	Van Buren	879	16	95	2
2020/10/21 14:43:46	Washtenaw	4403	116	564	0
2020/10/21 14:43:46	Wayne	20689	1316	1919	52
2020/10/21 14:43:46	Wexford	138	4	17	0
2020/10/21 14:43:46	MDOC	6287	75	6	0
2020/10/21 14:43:46	FCI	192	5	5	0
2020/10/21 14:43:46	Out-of-State	243	1	23	1
2020/10/21 14:43:46	Unknown	1	0	8	0
2020/10/21 14:43:46	Detroit City	15081	1546	1221	117

PUBLIC USE DATASETS

Cases by Demographics Statewide

README

Includes the total number of confirmed and probable cases and confirmed and probable deaths to date by demographic characteristics

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19.

Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

Confirmed deaths include individuals who meet one or more of the following conditions: 1) Have been identified as a confirmed case and classified as deceased as a result of a case investigation in the Michigan Disease Surveillance System (MDSS). MDSS is the database used by state and local health department to monitor reportable diseases like COVID-19; 2) have been identified as a confirmed case in MDSS had have a death certificate with COVID-19 listed as a cause of death; 3) have been identified as a confirmed case in MDSS and die within 30 days of onset of COVID-19 infection and have a death certificate which classifies their manner death as 'natural'.

Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

The number of probable cases can change daily based on information obtained through the health department investigation. Probable cases can be re-classified as a confirmed case or determined to not be a case.

Data is suppressed when the number of cases or deaths in a single category is between one and five to protect the confidentiality of individuals.

CASES BY DEMOGRAPHICS STATEWIDE 2020-10-21

CASE_STATUS	AgeCat	RaceCat	SEX	Cases	Deaths
Confirmed	0-9	American Indian/Alaska Native	Female	13	0
Confirmed	10-19	American Indian/Alaska Native	Female	43	0
Confirmed	20-29	American Indian/Alaska Native	Female	81	0
Confirmed	30-39	American Indian/Alaska Native	Female	64	0
Confirmed	40-49	American Indian/Alaska Native	Female	58	0
Confirmed	50-59	American Indian/Alaska Native	Female	66	0
Confirmed	60-69	American Indian/Alaska Native	Female	36	Suppressed
Confirmed	70-79	American Indian/Alaska Native	Female	21	Suppressed
Confirmed	80+	American Indian/Alaska Native	Female	10	Suppressed
Confirmed	Unknown	American Indian/Alaska Native	Female	0	0
Confirmed	0-9	Asian/Pacific Islander	Female	30	0
Confirmed	10-19	Asian/Pacific Islander	Female	126	0
Confirmed	20-29	Asian/Pacific Islander	Female	295	0
Confirmed	30-39	Asian/Pacific Islander	Female	285	0
Confirmed	40-49	Asian/Pacific Islander	Female	280	Suppressed
Confirmed	50-59	Asian/Pacific Islander	Female	250	Suppressed
Confirmed	60-69	Asian/Pacific Islander	Female	135	Suppressed
Confirmed	70-79	Asian/Pacific Islander	Female	63	11
Confirmed	80+	Asian/Pacific Islander	Female	63	23
Confirmed	Unknown	Asian/Pacific Islander	Female	0	0
Confirmed	0-9	Black/African American	Female	214	Suppressed
Confirmed	10-19	Black/African American	Female	600	Suppressed
Confirmed	20-29	Black/African American	Female	2334	Suppressed
Confirmed	30-39	Black/African American	Female	2267	8
Confirmed	40-49	Black/African American	Female	2340	54
Confirmed	50-59	Black/African American	Female	2267	110
Confirmed	60-69	Black/African American	Female	2052	236
Confirmed	70-79	Black/African American	Female	1378	330
Confirmed	80+	Black/African American	Female	1065	441
Confirmed	Unknown	Black/African American	Female	Suppressed	0
Confirmed	0-9	Multiple Races	Female	104	0
Confirmed	10-19	Multiple Races	Female	508	0
Confirmed	20-29	Multiple Races	Female	1069	0
Confirmed	30-39	Multiple Races	Female	777	Suppressed
Confirmed	40-49	Multiple Races	Female	866	Suppressed
Confirmed	50-59	Multiple Races	Female	936	Suppressed
Confirmed	60-69	Multiple Races	Female	563	Suppressed
Confirmed	70-79	Multiple Races	Female	280	12
Confirmed	80+	Multiple Races	Female	239	23
Confirmed	Unknown	Multiple Races	Female	Suppressed	0
Confirmed	0-9	Other	Female	194	0
Confirmed	10-19	Other	Female	589	0
Confirmed	20-29	Other	Female	1063	0
Confirmed	30-39	Other	Female	754	Suppressed
Confirmed	40-49	Other	Female	741	Suppressed
Confirmed	50-59	Other	Female	508	Suppressed
Confirmed	60-69	Other	Female	336	15

Confirmed	70-79	Other	Female	168	16
Confirmed	80+	Other	Female	133	26
Confirmed	Unknown	Other	Female	0	0
Confirmed	0-9	Unknown	Female	159	0
Confirmed	10-19	Unknown	Female	854	0
Confirmed	20-29	Unknown	Female	1661	Suppressed
Confirmed	30-39	Unknown	Female	1296	0
Confirmed	40-49	Unknown	Female	1388	Suppressed
Confirmed	50-59	Unknown	Female	1438	7
Confirmed	60-69	Unknown	Female	1089	14
Confirmed	70-79	Unknown	Female	577	21
Confirmed	80+	Unknown	Female	653	36
Confirmed	Unknown	Unknown	Female	35	0
Confirmed	0-9	White	Female	784	0
Confirmed	10-19	White	Female	4783	0
Confirmed	20-29	White	Female	8782	Suppressed
Confirmed	30-39	White	Female	5253	11
Confirmed	40-49	White	Female	5371	27
Confirmed	50-59	White	Female	6001	73
Confirmed	60-69	White	Female	4587	192
Confirmed	70-79	White	Female	3266	440
Confirmed	80+	White	Female	3929	1208
Confirmed	Unknown	White	Female	29	0
Confirmed	0-9	American Indian/Alaska Native	Male	14	0
Confirmed	10-19	American Indian/Alaska Native	Male	35	0
Confirmed	20-29	American Indian/Alaska Native	Male	62	0
Confirmed	30-39	American Indian/Alaska Native	Male	60	0
Confirmed	40-49	American Indian/Alaska Native	Male	68	0
Confirmed	50-59	American Indian/Alaska Native	Male	58	Suppressed
Confirmed	60-69	American Indian/Alaska Native	Male	45	8
Confirmed	70-79	American Indian/Alaska Native	Male	24	6
Confirmed	80+	American Indian/Alaska Native	Male	8	Suppressed
Confirmed	Unknown	American Indian/Alaska Native	Male	0	0
Confirmed	0-9	Asian/Pacific Islander	Male	54	0
Confirmed	10-19	Asian/Pacific Islander	Male	109	0
Confirmed	20-29	Asian/Pacific Islander	Male	326	0
Confirmed	30-39	Asian/Pacific Islander	Male	270	0
Confirmed	40-49	Asian/Pacific Islander	Male	232	Suppressed
Confirmed	50-59	Asian/Pacific Islander	Male	215	Suppressed
Confirmed	60-69	Asian/Pacific Islander	Male	152	15
Confirmed	70-79	Asian/Pacific Islander	Male	67	16
Confirmed	80+	Asian/Pacific Islander	Male	40	17
Confirmed	Unknown	Asian/Pacific Islander	Male	0	0
Confirmed	0-9	Black/African American	Male	203	0
Confirmed	10-19	Black/African American	Male	635	0
Confirmed	20-29	Black/African American	Male	1930	11
Confirmed	30-39	Black/African American	Male	2007	29
Confirmed	40-49	Black/African American	Male	2143	74
Confirmed	50-59	Black/African American	Male	2430	203
Confirmed	60-69	Black/African American	Male	2207	349

Confirmed	70-79	Black/African American	Male	1353	424
Confirmed	80+	Black/African American	Male	630	316
Confirmed	Unknown	Black/African American	Male	Suppressed	0
Confirmed	0-9	Multiple Races	Male	139	Suppressed
Confirmed	10-19	Multiple Races	Male	468	0
Confirmed	20-29	Multiple Races	Male	834	0
Confirmed	30-39	Multiple Races	Male	626	Suppressed
Confirmed	40-49	Multiple Races	Male	664	Suppressed
Confirmed	50-59	Multiple Races	Male	696	Suppressed
Confirmed	60-69	Multiple Races	Male	505	21
Confirmed	70-79	Multiple Races	Male	253	15
Confirmed	80+	Multiple Races	Male	111	16
Confirmed	Unknown	Multiple Races	Male	Suppressed	0
Confirmed	0-9	Other	Male	215	0
Confirmed	10-19	Other	Male	653	0
Confirmed	20-29	Other	Male	1205	Suppressed
Confirmed	30-39	Other	Male	919	Suppressed
Confirmed	40-49	Other	Male	807	7
Confirmed	50-59	Other	Male	604	9
Confirmed	60-69	Other	Male	358	27
Confirmed	70-79	Other	Male	186	24
Confirmed	80+	Other	Male	82	16
Confirmed	Unknown	Other	Male	Suppressed	0
Confirmed	0-9	Unknown	Male	194	0
Confirmed	10-19	Unknown	Male	905	0
Confirmed	20-29	Unknown	Male	1825	0
Confirmed	30-39	Unknown	Male	1518	Suppressed
Confirmed	40-49	Unknown	Male	1404	10
Confirmed	50-59	Unknown	Male	1471	9
Confirmed	60-69	Unknown	Male	1072	18
Confirmed	70-79	Unknown	Male	526	26
Confirmed	80+	Unknown	Male	317	32
Confirmed	Unknown	Unknown	Male	30	0
Confirmed	0-9	White	Male	878	0
Confirmed	10-19	White	Male	4003	0
Confirmed	20-29	White	Male	7329	Suppressed
Confirmed	30-39	White	Male	4910	15
Confirmed	40-49	White	Male	4907	42
Confirmed	50-59	White	Male	5909	138
Confirmed	60-69	White	Male	4884	329
Confirmed	70-79	White	Male	3245	561
Confirmed	80+	White	Male	2330	896
Confirmed	Unknown	White	Male	21	0
Confirmed	0-9	American Indian/Alaska Native	Unknown	0	0
Confirmed	10-19	American Indian/Alaska Native	Unknown	0	0
Confirmed	20-29	American Indian/Alaska Native	Unknown	0	0
Confirmed	30-39	American Indian/Alaska Native	Unknown	0	0
Confirmed	40-49	American Indian/Alaska Native	Unknown	0	0
Confirmed	50-59	American Indian/Alaska Native	Unknown	0	0
Confirmed	60-69	American Indian/Alaska Native	Unknown	0	0

Confirmed	70-79	American Indian/Alaska Native	Unknown	Suppressed	0
Confirmed	80+	American Indian/Alaska Native	Unknown	0	0
Confirmed	Unknown	American Indian/Alaska Native	Unknown	0	0
Confirmed	0-9	Asian/Pacific Islander	Unknown	0	0
Confirmed	10-19	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	20-29	Asian/Pacific Islander	Unknown	0	0
Confirmed	30-39	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	40-49	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	50-59	Asian/Pacific Islander	Unknown	0	0
Confirmed	60-69	Asian/Pacific Islander	Unknown	0	0
Confirmed	70-79	Asian/Pacific Islander	Unknown	0	0
Confirmed	80+	Asian/Pacific Islander	Unknown	0	0
Confirmed	Unknown	Asian/Pacific Islander	Unknown	0	0
Confirmed	0-9	Black/African American	Unknown	Suppressed	0
Confirmed	10-19	Black/African American	Unknown	7	0
Confirmed	20-29	Black/African American	Unknown	Suppressed	0
Confirmed	30-39	Black/African American	Unknown	Suppressed	0
Confirmed	40-49	Black/African American	Unknown	Suppressed	0
Confirmed	50-59	Black/African American	Unknown	6	0
Confirmed	60-69	Black/African American	Unknown	Suppressed	0
Confirmed	70-79	Black/African American	Unknown	Suppressed	0
Confirmed	80+	Black/African American	Unknown	Suppressed	0
Confirmed	Unknown	Black/African American	Unknown	0	0
Confirmed	0-9	Multiple Races	Unknown	0	0
Confirmed	10-19	Multiple Races	Unknown	6	0
Confirmed	20-29	Multiple Races	Unknown	7	0
Confirmed	30-39	Multiple Races	Unknown	Suppressed	0
Confirmed	40-49	Multiple Races	Unknown	Suppressed	0
Confirmed	50-59	Multiple Races	Unknown	Suppressed	0
Confirmed	60-69	Multiple Races	Unknown	Suppressed	0
Confirmed	70-79	Multiple Races	Unknown	Suppressed	0
Confirmed	80+	Multiple Races	Unknown	0	0
Confirmed	Unknown	Multiple Races	Unknown	Suppressed	0
Confirmed	0-9	Other	Unknown	Suppressed	0
Confirmed	10-19	Other	Unknown	Suppressed	0
Confirmed	20-29	Other	Unknown	Suppressed	0
Confirmed	30-39	Other	Unknown	Suppressed	0
Confirmed	40-49	Other	Unknown	7	0
Confirmed	50-59	Other	Unknown	Suppressed	0
Confirmed	60-69	Other	Unknown	Suppressed	0
Confirmed	70-79	Other	Unknown	Suppressed	0
Confirmed	80+	Other	Unknown	0	0
Confirmed	Unknown	Other	Unknown	Suppressed	0
Confirmed	0-9	Unknown	Unknown	8	0
Confirmed	10-19	Unknown	Unknown	16	0
Confirmed	20-29	Unknown	Unknown	47	0
Confirmed	30-39	Unknown	Unknown	33	0
Confirmed	40-49	Unknown	Unknown	52	0
Confirmed	50-59	Unknown	Unknown	45	0
Confirmed	60-69	Unknown	Unknown	17	0

Confirmed	70-79	Unknown	Unknown	7	0
Confirmed	80+	Unknown	Unknown	7	0
Confirmed	Unknown	Unknown	Unknown	Suppressed	0
Confirmed	0-9	White	Unknown	0	0
Confirmed	10-19	White	Unknown	16	0
Confirmed	20-29	White	Unknown	23	0
Confirmed	30-39	White	Unknown	11	0
Confirmed	40-49	White	Unknown	7	0
Confirmed	50-59	White	Unknown	Suppressed	0
Confirmed	60-69	White	Unknown	12	0
Confirmed	70-79	White	Unknown	Suppressed	0
Confirmed	80+	White	Unknown	Suppressed	0
Confirmed	Unknown	White	Unknown	0	0
Probable	0-9	American Indian/Alaska Native	Female	Suppressed	0
Probable	10-19	American Indian/Alaska Native	Female	Suppressed	0
Probable	20-29	American Indian/Alaska Native	Female	11	0
Probable	30-39	American Indian/Alaska Native	Female	Suppressed	0
Probable	40-49	American Indian/Alaska Native	Female	Suppressed	0
Probable	50-59	American Indian/Alaska Native	Female	6	0
Probable	60-69	American Indian/Alaska Native	Female	Suppressed	0
Probable	70-79	American Indian/Alaska Native	Female	Suppressed	0
Probable	80+	American Indian/Alaska Native	Female	0	0
Probable	Unknown	American Indian/Alaska Native	Female	Suppressed	0
Probable	0-9	Asian/Pacific Islander	Female	9	0
Probable	10-19	Asian/Pacific Islander	Female	18	0
Probable	20-29	Asian/Pacific Islander	Female	30	0
Probable	30-39	Asian/Pacific Islander	Female	22	0
Probable	40-49	Asian/Pacific Islander	Female	13	0
Probable	50-59	Asian/Pacific Islander	Female	17	0
Probable	60-69	Asian/Pacific Islander	Female	6	0
Probable	70-79	Asian/Pacific Islander	Female	Suppressed	0
Probable	80+	Asian/Pacific Islander	Female	0	0
Probable	Unknown	Asian/Pacific Islander	Female	Suppressed	0
Probable	0-9	Black/African American	Female	35	0
Probable	10-19	Black/African American	Female	60	0
Probable	20-29	Black/African American	Female	131	0
Probable	30-39	Black/African American	Female	111	0
Probable	40-49	Black/African American	Female	135	Suppressed
Probable	50-59	Black/African American	Female	151	8
Probable	60-69	Black/African American	Female	119	12
Probable	70-79	Black/African American	Female	52	13
Probable	80+	Black/African American	Female	37	25
Probable	Unknown	Black/African American	Female	6	0
Probable	0-9	Multiple Races	Female	25	0
Probable	10-19	Multiple Races	Female	62	0
Probable	20-29	Multiple Races	Female	76	0
Probable	30-39	Multiple Races	Female	32	0
Probable	40-49	Multiple Races	Female	69	0
Probable	50-59	Multiple Races	Female	65	0
Probable	60-69	Multiple Races	Female	46	0

Probable	70-79	Multiple Races	Female	16	0
Probable	80+	Multiple Races	Female	8	Suppressed
Probable	Unknown	Multiple Races	Female	14	0
Probable	0-9	Other	Female	29	0
Probable	10-19	Other	Female	55	0
Probable	20-29	Other	Female	67	0
Probable	30-39	Other	Female	57	0
Probable	40-49	Other	Female	55	0
Probable	50-59	Other	Female	31	Suppressed
Probable	60-69	Other	Female	16	Suppressed
Probable	70-79	Other	Female	9	0
Probable	80+	Other	Female	Suppressed	0
Probable	Unknown	Other	Female	8	0
Probable	0-9	Unknown	Female	58	0
Probable	10-19	Unknown	Female	258	0
Probable	20-29	Unknown	Female	536	0
Probable	30-39	Unknown	Female	396	0
Probable	40-49	Unknown	Female	468	0
Probable	50-59	Unknown	Female	484	0
Probable	60-69	Unknown	Female	372	Suppressed
Probable	70-79	Unknown	Female	154	0
Probable	80+	Unknown	Female	88	Suppressed
Probable	Unknown	Unknown	Female	242	0
Probable	0-9	White	Female	215	0
Probable	10-19	White	Female	594	0
Probable	20-29	White	Female	799	0
Probable	30-39	White	Female	469	0
Probable	40-49	White	Female	586	Suppressed
Probable	50-59	White	Female	604	Suppressed
Probable	60-69	White	Female	365	17
Probable	70-79	White	Female	193	22
Probable	80+	White	Female	137	54
Probable	Unknown	White	Female	97	0
Probable	0-9	American Indian/Alaska Native	Male	Suppressed	0
Probable	10-19	American Indian/Alaska Native	Male	Suppressed	0
Probable	20-29	American Indian/Alaska Native	Male	6	0
Probable	30-39	American Indian/Alaska Native	Male	Suppressed	0
Probable	40-49	American Indian/Alaska Native	Male	Suppressed	0
Probable	50-59	American Indian/Alaska Native	Male	Suppressed	0
Probable	60-69	American Indian/Alaska Native	Male	Suppressed	0
Probable	70-79	American Indian/Alaska Native	Male	0	0
Probable	80+	American Indian/Alaska Native	Male	Suppressed	Suppressed
Probable	Unknown	American Indian/Alaska Native	Male	Suppressed	0
Probable	0-9	Asian/Pacific Islander	Male	15	0
Probable	10-19	Asian/Pacific Islander	Male	8	0
Probable	20-29	Asian/Pacific Islander	Male	27	0
Probable	30-39	Asian/Pacific Islander	Male	24	0
Probable	40-49	Asian/Pacific Islander	Male	9	0
Probable	50-59	Asian/Pacific Islander	Male	11	0
Probable	60-69	Asian/Pacific Islander	Male	Suppressed	0

Probable	70-79	Asian/Pacific Islander	Male	Suppressed	Suppressed
Probable	80+	Asian/Pacific Islander	Male	0	0
Probable	Unknown	Asian/Pacific Islander	Male	0	0
Probable	0-9	Black/African American	Male	37	0
Probable	10-19	Black/African American	Male	54	0
Probable	20-29	Black/African American	Male	83	0
Probable	30-39	Black/African American	Male	67	0
Probable	40-49	Black/African American	Male	65	8
Probable	50-59	Black/African American	Male	93	8
Probable	60-69	Black/African American	Male	94	21
Probable	70-79	Black/African American	Male	46	25
Probable	80+	Black/African American	Male	20	15
Probable	Unknown	Black/African American	Male	Suppressed	0
Probable	0-9	Multiple Races	Male	27	0
Probable	10-19	Multiple Races	Male	56	0
Probable	20-29	Multiple Races	Male	62	0
Probable	30-39	Multiple Races	Male	42	0
Probable	40-49	Multiple Races	Male	52	Suppressed
Probable	50-59	Multiple Races	Male	39	0
Probable	60-69	Multiple Races	Male	28	0
Probable	70-79	Multiple Races	Male	13	0
Probable	80+	Multiple Races	Male	Suppressed	Suppressed
Probable	Unknown	Multiple Races	Male	18	0
Probable	0-9	Other	Male	24	0
Probable	10-19	Other	Male	52	0
Probable	20-29	Other	Male	70	0
Probable	30-39	Other	Male	56	0
Probable	40-49	Other	Male	52	0
Probable	50-59	Other	Male	25	0
Probable	60-69	Other	Male	18	Suppressed
Probable	70-79	Other	Male	9	Suppressed
Probable	80+	Other	Male	Suppressed	0
Probable	Unknown	Other	Male	9	0
Probable	0-9	Unknown	Male	67	0
Probable	10-19	Unknown	Male	259	0
Probable	20-29	Unknown	Male	443	0
Probable	30-39	Unknown	Male	382	Suppressed
Probable	40-49	Unknown	Male	352	Suppressed
Probable	50-59	Unknown	Male	369	0
Probable	60-69	Unknown	Male	267	Suppressed
Probable	70-79	Unknown	Male	107	Suppressed
Probable	80+	Unknown	Male	47	Suppressed
Probable	Unknown	Unknown	Male	190	0
Probable	0-9	White	Male	251	0
Probable	10-19	White	Male	527	0
Probable	20-29	White	Male	715	Suppressed
Probable	30-39	White	Male	389	Suppressed
Probable	40-49	White	Male	391	Suppressed
Probable	50-59	White	Male	436	6
Probable	60-69	White	Male	307	15

Probable	70-79	White	Male	133	13
Probable	80+	White	Male	96	28
Probable	Unknown	White	Male	51	0
Probable	0-9	American Indian/Alaska Native	Unknown	0	0
Probable	10-19	American Indian/Alaska Native	Unknown	0	0
Probable	20-29	American Indian/Alaska Native	Unknown	Suppressed	0
Probable	30-39	American Indian/Alaska Native	Unknown	0	0
Probable	40-49	American Indian/Alaska Native	Unknown	0	0
Probable	50-59	American Indian/Alaska Native	Unknown	0	0
Probable	60-69	American Indian/Alaska Native	Unknown	0	0
Probable	70-79	American Indian/Alaska Native	Unknown	0	0
Probable	80+	American Indian/Alaska Native	Unknown	0	0
Probable	Unknown	American Indian/Alaska Native	Unknown	0	0
Probable	0-9	Asian/Pacific Islander	Unknown	0	0
Probable	10-19	Asian/Pacific Islander	Unknown	0	0
Probable	20-29	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	30-39	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	40-49	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	50-59	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	60-69	Asian/Pacific Islander	Unknown	0	0
Probable	70-79	Asian/Pacific Islander	Unknown	0	0
Probable	80+	Asian/Pacific Islander	Unknown	0	0
Probable	Unknown	Asian/Pacific Islander	Unknown	0	0
Probable	0-9	Black/African American	Unknown	0	0
Probable	10-19	Black/African American	Unknown	0	0
Probable	20-29	Black/African American	Unknown	Suppressed	0
Probable	30-39	Black/African American	Unknown	Suppressed	0
Probable	40-49	Black/African American	Unknown	Suppressed	0
Probable	50-59	Black/African American	Unknown	Suppressed	0
Probable	60-69	Black/African American	Unknown	Suppressed	0
Probable	70-79	Black/African American	Unknown	0	0
Probable	80+	Black/African American	Unknown	0	0
Probable	Unknown	Black/African American	Unknown	Suppressed	0
Probable	0-9	Multiple Races	Unknown	Suppressed	0
Probable	10-19	Multiple Races	Unknown	Suppressed	0
Probable	20-29	Multiple Races	Unknown	7	0
Probable	30-39	Multiple Races	Unknown	Suppressed	0
Probable	40-49	Multiple Races	Unknown	Suppressed	0
Probable	50-59	Multiple Races	Unknown	Suppressed	0
Probable	60-69	Multiple Races	Unknown	Suppressed	0
Probable	70-79	Multiple Races	Unknown	0	0
Probable	80+	Multiple Races	Unknown	0	0
Probable	Unknown	Multiple Races	Unknown	Suppressed	0
Probable	0-9	Other	Unknown	Suppressed	0
Probable	10-19	Other	Unknown	Suppressed	0
Probable	20-29	Other	Unknown	0	0
Probable	30-39	Other	Unknown	0	0
Probable	40-49	Other	Unknown	Suppressed	0
Probable	50-59	Other	Unknown	Suppressed	0
Probable	60-69	Other	Unknown	Suppressed	0

Probable	70-79	Other	Unknown	0	0
Probable	80+	Other	Unknown	0	0
Probable	Unknown	Other	Unknown	Suppressed	0
Probable	0-9	Unknown	Unknown	19	0
Probable	10-19	Unknown	Unknown	27	0
Probable	20-29	Unknown	Unknown	59	0
Probable	30-39	Unknown	Unknown	51	0
Probable	40-49	Unknown	Unknown	58	0
Probable	50-59	Unknown	Unknown	58	0
Probable	60-69	Unknown	Unknown	38	0
Probable	70-79	Unknown	Unknown	18	0
Probable	80+	Unknown	Unknown	Suppressed	0
Probable	Unknown	Unknown	Unknown	464	0
Probable	0-9	White	Unknown	9	0
Probable	10-19	White	Unknown	8	0
Probable	20-29	White	Unknown	12	0
Probable	30-39	White	Unknown	Suppressed	0
Probable	40-49	White	Unknown	12	0
Probable	50-59	White	Unknown	11	0
Probable	60-69	White	Unknown	Suppressed	0
Probable	70-79	White	Unknown	Suppressed	0
Probable	80+	White	Unknown	Suppressed	0
Probable	Unknown	White	Unknown	12	0

PUBLIC USE DATASETS

COVID-19 Tests by County

README

Data includes tests by type (diagnostic, serology or total combined) by county.

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests.

Serology tests are used to look for the possibility of previous infection. Serology tests look for antibodies to SARS-CoV-2 in the blood. There are currently two types of serology tests: the enzyme-linked immunosorbent assay (ELISA) test and the rapid antibody detection POC test. Serology tests do not diagnose disease and do not guarantee immunity, but might provide information about previous infection.

Correctional includes state and federal prisons and county and city detention facilities. Testing data represents total tests performed, not individuals tested. A single individual may have more than one test completed.

COVID-19 TESTS BY COUNTY 2020-10-21

Updated	COUNTY	TestType	Count	RatePerMillion
2020/10/21 14:43:50	Alcona	Diagnostic	2558	245843
2020/10/21 14:43:50	Alcona	Serology	72	6920
2020/10/21 14:43:50	Alcona	Total	2630	252763
2020/10/21 14:43:50	Alger	Serology	94	10321
2020/10/21 14:43:50	Alger	Diagnostic	2043	224308
2020/10/21 14:43:50	Alger	Total	2137	234629
2020/10/21 14:43:50	Allegan	Serology	1170	9908
2020/10/21 14:43:50	Allegan	Diagnostic	40747	345077
2020/10/21 14:43:50	Allegan	Total	41917	354985
2020/10/21 14:43:50	Alpena	Diagnostic	3871	136279
2020/10/21 14:43:50	Alpena	Serology	233	8203
2020/10/21 14:43:50	Alpena	Total	4104	144482
2020/10/21 14:43:50	Antrim	Diagnostic	6981	299305
2020/10/21 14:43:50	Antrim	Serology	220	9432
2020/10/21 14:43:50	Antrim	Total	7201	308738
2020/10/21 14:43:50	Arenac	Diagnostic	4781	321239
2020/10/21 14:43:50	Arenac	Serology	189	12699
2020/10/21 14:43:50	Arenac	Total	4970	333938
2020/10/21 14:43:50	Baraga	Diagnostic	5996	730418
2020/10/21 14:43:50	Baraga	Serology	45	5482
2020/10/21 14:43:50	Baraga	Total	6041	735900
2020/10/21 14:43:50	Barry	Diagnostic	21074	342388
2020/10/21 14:43:50	Barry	Serology	854	13875
2020/10/21 14:43:50	Barry	Total	21928	356263
2020/10/21 14:43:50	Bay	Diagnostic	42961	416587
2020/10/21 14:43:50	Bay	Serology	2461	23864
2020/10/21 14:43:50	Bay	Total	45422	440451
2020/10/21 14:43:50	Benzie	Diagnostic	5438	306090
2020/10/21 14:43:50	Benzie	Serology	202	11370
2020/10/21 14:43:50	Benzie	Total	5640	317460
2020/10/21 14:43:50	Berrien	Diagnostic	84413	550277
2020/10/21 14:43:50	Berrien	Serology	2477	16147
2020/10/21 14:43:50	Berrien	Total	86890	566424
2020/10/21 14:43:50	Branch	Diagnostic	13167	302571
2020/10/21 14:43:50	Branch	Serology	185	4251
2020/10/21 14:43:50	Branch	Total	13352	306823
2020/10/21 14:43:50	Calhoun	Diagnostic	74062	552046
2020/10/21 14:43:50	Calhoun	Serology	878	6544
2020/10/21 14:43:50	Calhoun	Total	74940	558591
2020/10/21 14:43:50	Cass	Diagnostic	14899	287698
2020/10/21 14:43:50	Cass	Serology	308	5947
2020/10/21 14:43:50	Cass	Total	15207	293645
2020/10/21 14:43:50	Charlevoix	Diagnostic	8471	324026
2020/10/21 14:43:50	Charlevoix	Serology	475	18169
2020/10/21 14:43:50	Charlevoix	Total	8946	342195
2020/10/21 14:43:50	Cheboygan	Serology	225	8902
2020/10/21 14:43:50	Cheboygan	Diagnostic	4603	182110

2020/10/21 14:43:50	Cheboygan	Total	4828	191011
2020/10/21 14:43:50	Chippewa	Serology	138	3695
2020/10/21 14:43:50	Chippewa	Diagnostic	6541	175132
2020/10/21 14:43:50	Chippewa	Total	6679	178827
2020/10/21 14:43:50	Clare	Diagnostic	6154	198837
2020/10/21 14:43:50	Clare	Serology	392	12666
2020/10/21 14:43:50	Clare	Total	6546	211502
2020/10/21 14:43:50	Clinton	Serology	2672	33570
2020/10/21 14:43:50	Clinton	Diagnostic	22079	277392
2020/10/21 14:43:50	Clinton	Total	24751	310962
2020/10/21 14:43:50	Correctional	Diagnostic	157088	
2020/10/21 14:43:50	Correctional	Serology	11554	
2020/10/21 14:43:50	Correctional	Total	168642	
2020/10/21 14:43:50	Crawford	Diagnostic	3730	265878
2020/10/21 14:43:50	Crawford	Serology	105	7484
2020/10/21 14:43:50	Crawford	Total	3835	273362
2020/10/21 14:43:50	Delta	Diagnostic	16339	456601
2020/10/21 14:43:50	Delta	Serology	281	7853
2020/10/21 14:43:50	Delta	Total	16620	464453
2020/10/21 14:43:50	Detroit City	Diagnostic	324827	499885
2020/10/21 14:43:50	Detroit City	Serology	15896	24463
2020/10/21 14:43:50	Detroit City	Total	340723	524347
2020/10/21 14:43:50	Dickinson	Diagnostic	5308	210309
2020/10/21 14:43:50	Dickinson	Serology	72	2853
2020/10/21 14:43:50	Dickinson	Total	5380	213162
2020/10/21 14:43:50	Eaton	Diagnostic	47162	427703
2020/10/21 14:43:50	Eaton	Serology	4081	37010
2020/10/21 14:43:50	Eaton	Total	51243	464713
2020/10/21 14:43:50	Emmet	Diagnostic	11091	331917
2020/10/21 14:43:50	Emmet	Serology	898	26874
2020/10/21 14:43:50	Emmet	Total	11989	358791
2020/10/21 14:43:50	Genesee	Diagnostic	127381	313891
2020/10/21 14:43:50	Genesee	Serology	11864	29235
2020/10/21 14:43:50	Genesee	Total	139245	343126
2020/10/21 14:43:50	Gladwin	Diagnostic	6415	252073
2020/10/21 14:43:50	Gladwin	Serology	332	13046
2020/10/21 14:43:50	Gladwin	Total	6747	265118
2020/10/21 14:43:50	Gogebic	Serology	115	8229
2020/10/21 14:43:50	Gogebic	Diagnostic	9520	681216
2020/10/21 14:43:50	Gogebic	Total	9635	689445
2020/10/21 14:43:50	Grand Traverse	Serology	1761	18918
2020/10/21 14:43:50	Grand Traverse	Diagnostic	29517	317087
2020/10/21 14:43:50	Grand Traverse	Total	31278	336005
2020/10/21 14:43:50	Gratiot	Diagnostic	20768	510132
2020/10/21 14:43:50	Gratiot	Serology	466	11447
2020/10/21 14:43:50	Gratiot	Total	21234	521579
2020/10/21 14:43:50	Hillsdale	Diagnostic	15034	329657
2020/10/21 14:43:50	Hillsdale	Serology	356	7806
2020/10/21 14:43:50	Hillsdale	Total	15390	337463
2020/10/21 14:43:50	Houghton	Diagnostic	15941	446727

2020/10/21 14:43:50	Houghton	Serology	155	4344
2020/10/21 14:43:50	Houghton	Total	16096	451071
2020/10/21 14:43:50	Huron	Diagnostic	11634	375520
2020/10/21 14:43:50	Huron	Serology	306	9877
2020/10/21 14:43:50	Huron	Total	11940	385398
2020/10/21 14:43:50	Ingham	Diagnostic	133044	454998
2020/10/21 14:43:50	Ingham	Serology	14000	47879
2020/10/21 14:43:50	Ingham	Total	147044	502876
2020/10/21 14:43:50	Ionia	Diagnostic	27964	432230
2020/10/21 14:43:50	Ionia	Serology	1186	18332
2020/10/21 14:43:50	Ionia	Total	29150	450562
2020/10/21 14:43:50	Iosco	Diagnostic	9280	369324
2020/10/21 14:43:50	Iosco	Serology	225	8955
2020/10/21 14:43:50	Iosco	Total	9505	378278
2020/10/21 14:43:50	Iron	Diagnostic	9960	900054
2020/10/21 14:43:50	Iron	Serology	36	3253
2020/10/21 14:43:50	Iron	Total	9996	903307
2020/10/21 14:43:50	Isabella	Diagnostic	16595	237506
2020/10/21 14:43:50	Isabella	Serology	615	8802
2020/10/21 14:43:50	Isabella	Total	17210	246308
2020/10/21 14:43:50	Jackson	Serology	1662	10485
2020/10/21 14:43:50	Jackson	Diagnostic	82664	521507
2020/10/21 14:43:50	Jackson	Total	84326	531992
2020/10/21 14:43:50	Kalamazoo	Diagnostic	109450	412916
2020/10/21 14:43:50	Kalamazoo	Serology	3466	13076
2020/10/21 14:43:50	Kalamazoo	Total	112916	425992
2020/10/21 14:43:50	Kalkaska	Diagnostic	7493	415401
2020/10/21 14:43:50	Kalkaska	Serology	180	9979
2020/10/21 14:43:50	Kalkaska	Total	7673	425380
2020/10/21 14:43:50	Kent	Serology	19197	29221
2020/10/21 14:43:50	Kent	Diagnostic	320985	488595
2020/10/21 14:43:50	Kent	Total	340182	517816
2020/10/21 14:43:50	Keweenaw	Diagnostic	786	371456
2020/10/21 14:43:50	Keweenaw	Serology	18	8507
2020/10/21 14:43:50	Keweenaw	Total	804	379962
2020/10/21 14:43:50	Lake	Diagnostic	4213	355437
2020/10/21 14:43:50	Lake	Serology	125	10546
2020/10/21 14:43:50	Lake	Total	4338	365983
2020/10/21 14:43:50	Lapeer	Serology	1741	19873
2020/10/21 14:43:50	Lapeer	Diagnostic	23036	262947
2020/10/21 14:43:50	Lapeer	Total	24777	282820
2020/10/21 14:43:50	Leelanau	Diagnostic	5094	234089
2020/10/21 14:43:50	Leelanau	Serology	298	13694
2020/10/21 14:43:50	Leelanau	Total	5392	247783
2020/10/21 14:43:50	Lenawee	Serology	951	9660
2020/10/21 14:43:50	Lenawee	Diagnostic	33384	339093
2020/10/21 14:43:50	Lenawee	Total	34335	348752
2020/10/21 14:43:50	Livingston	Serology	4852	25271
2020/10/21 14:43:50	Livingston	Diagnostic	69970	364437
2020/10/21 14:43:50	Livingston	Total	74822	389708

2020/10/21 14:43:50	Luce	Diagnostic	2149	344999
2020/10/21 14:43:50	Luce	Serology	35	5619
2020/10/21 14:43:50	Luce	Total	2184	350618
2020/10/21 14:43:50	Mackinac	Diagnostic	3030	280582
2020/10/21 14:43:50	Mackinac	Serology	61	5649
2020/10/21 14:43:50	Mackinac	Total	3091	286230
2020/10/21 14:43:50	Macomb	Diagnostic	290255	332110
2020/10/21 14:43:50	Macomb	Serology	31132	35621
2020/10/21 14:43:50	Macomb	Total	321387	367731
2020/10/21 14:43:50	Manistee	Diagnostic	6576	267774
2020/10/21 14:43:50	Manistee	Serology	367	14944
2020/10/21 14:43:50	Manistee	Total	6943	282718
2020/10/21 14:43:50	Marquette	Serology	960	14393
2020/10/21 14:43:50	Marquette	Diagnostic	43445	651359
2020/10/21 14:43:50	Marquette	Total	44405	665752
2020/10/21 14:43:50	Mason	Serology	499	17122
2020/10/21 14:43:50	Mason	Diagnostic	12650	434052
2020/10/21 14:43:50	Mason	Total	13149	451173
2020/10/21 14:43:50	Mecosta	Serology	500	11507
2020/10/21 14:43:50	Mecosta	Diagnostic	16018	368628
2020/10/21 14:43:50	Mecosta	Total	16518	380135
2020/10/21 14:43:50	Menominee	Diagnostic	7335	321993
2020/10/21 14:43:50	Menominee	Serology	46	2019
2020/10/21 14:43:50	Menominee	Total	7381	324012
2020/10/21 14:43:50	Midland	Diagnostic	17231	207213
2020/10/21 14:43:50	Midland	Serology	2310	27779
2020/10/21 14:43:50	Midland	Total	19541	234992
2020/10/21 14:43:50	Missaukee	Diagnostic	3738	247255
2020/10/21 14:43:50	Missaukee	Serology	146	9657
2020/10/21 14:43:50	Missaukee	Total	3884	256912
2020/10/21 14:43:50	Monroe	Diagnostic	47443	315236
2020/10/21 14:43:50	Monroe	Serology	2669	17734
2020/10/21 14:43:50	Monroe	Total	50112	332970
2020/10/21 14:43:50	Montcalm	Diagnostic	27944	437390
2020/10/21 14:43:50	Montcalm	Serology	1133	17734
2020/10/21 14:43:50	Montcalm	Total	29077	455125
2020/10/21 14:43:50	Montmorency	Serology	150	16081
2020/10/21 14:43:50	Montmorency	Diagnostic	1878	201329
2020/10/21 14:43:50	Montmorency	Total	2028	217410
2020/10/21 14:43:50	Muskegon	Diagnostic	78554	452589
2020/10/21 14:43:50	Muskegon	Serology	1580	9103
2020/10/21 14:43:50	Muskegon	Total	80134	461692
2020/10/21 14:43:50	Newaygo	Serology	789	16109
2020/10/21 14:43:50	Newaygo	Diagnostic	17689	361147
2020/10/21 14:43:50	Newaygo	Total	18478	377256
2020/10/21 14:43:50	Oakland	Diagnostic	473737	376704
2020/10/21 14:43:50	Oakland	Serology	68536	54498
2020/10/21 14:43:50	Oakland	Total	542273	431202
2020/10/21 14:43:50	Oceana	Diagnostic	15513	586126
2020/10/21 14:43:50	Oceana	Serology	411	15529

2020/10/21 14:43:50	Oceana	Total	15924	601655
2020/10/21 14:43:50	Ogemaw	Diagnostic	5714	272134
2020/10/21 14:43:50	Ogemaw	Serology	200	9525
2020/10/21 14:43:50	Ogemaw	Total	5914	281659
2020/10/21 14:43:50	Ontonagon	Diagnostic	3625	633741
2020/10/21 14:43:50	Ontonagon	Serology	33	5769
2020/10/21 14:43:50	Ontonagon	Total	3658	639510
2020/10/21 14:43:50	Osceola	Diagnostic	9719	414280
2020/10/21 14:43:50	Osceola	Serology	363	15473
2020/10/21 14:43:50	Osceola	Total	10082	429753
2020/10/21 14:43:50	Oscoda	Diagnostic	1899	230433
2020/10/21 14:43:50	Oscoda	Serology	89	10800
2020/10/21 14:43:50	Oscoda	Total	1988	241233
2020/10/21 14:43:50	Otsego	Diagnostic	5429	220083
2020/10/21 14:43:50	Otsego	Serology	330	13378
2020/10/21 14:43:50	Otsego	Total	5759	233460
2020/10/21 14:43:50	Ottawa	Serology	5748	19696
2020/10/21 14:43:50	Ottawa	Diagnostic	133300	456773
2020/10/21 14:43:50	Ottawa	Total	139048	476469
2020/10/21 14:43:50	Presque Isle	Diagnostic	2505	198936
2020/10/21 14:43:50	Presque Isle	Serology	155	12309
2020/10/21 14:43:50	Presque Isle	Total	2660	211245
2020/10/21 14:43:50	Roscommon	Diagnostic	7462	310671
2020/10/21 14:43:50	Roscommon	Serology	324	13489
2020/10/21 14:43:50	Roscommon	Total	7786	324160
2020/10/21 14:43:50	Saginaw	Serology	2880	15115
2020/10/21 14:43:50	Saginaw	Diagnostic	96467	506285
2020/10/21 14:43:50	Saginaw	Total	99347	521400
2020/10/21 14:43:50	Sanilac	Diagnostic	15283	371217
2020/10/21 14:43:50	Sanilac	Serology	516	12533
2020/10/21 14:43:50	Sanilac	Total	15799	383750
2020/10/21 14:43:50	Schoolcraft	Diagnostic	2186	270077
2020/10/21 14:43:50	Schoolcraft	Serology	46	5683
2020/10/21 14:43:50	Schoolcraft	Total	2232	275760
2020/10/21 14:43:50	Shiawassee	Serology	1614	23693
2020/10/21 14:43:50	Shiawassee	Diagnostic	25457	373697
2020/10/21 14:43:50	Shiawassee	Total	27071	397390
2020/10/21 14:43:50	St Clair	Serology	4404	27676
2020/10/21 14:43:50	St Clair	Diagnostic	43514	273453
2020/10/21 14:43:50	St Clair	Total	47918	301129
2020/10/21 14:43:50	St Joseph	Diagnostic	22231	364658
2020/10/21 14:43:50	St Joseph	Serology	774	12696
2020/10/21 14:43:50	St Joseph	Total	23005	377354
2020/10/21 14:43:50	Tuscola	Diagnostic	25162	481615
2020/10/21 14:43:50	Tuscola	Serology	798	15274
2020/10/21 14:43:50	Tuscola	Total	25960	496890
2020/10/21 14:43:50	Unknown	Serology	19607	
2020/10/21 14:43:50	Unknown	Diagnostic	241890	
2020/10/21 14:43:50	Unknown	Total	261497	
2020/10/21 14:43:50	Van Buren	Diagnostic	36315	479868

2020/10/21 14:43:50	Van Buren	Serology	728	9620
2020/10/21 14:43:50	Van Buren	Total	37043	489488
2020/10/21 14:43:50	Washtenaw	Serology	11063	30095
2020/10/21 14:43:50	Washtenaw	Diagnostic	182423	496253
2020/10/21 14:43:50	Washtenaw	Total	193486	526348
2020/10/21 14:43:50	Wayne	Diagnostic	495943	449300
2020/10/21 14:43:50	Wayne	Serology	45319	41057
2020/10/21 14:43:50	Wayne	Total	541262	490357
2020/10/21 14:43:50	Wexford	Diagnostic	10443	310517
2020/10/21 14:43:50	Wexford	Serology	363	10794
2020/10/21 14:43:50	Wexford	Total	10806	321311

PUBLIC USE DATASETS

Diagnostic Tests by Result and County

README

Data include diagnostic tests for COVID-19 by date and county.

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests.

Correctional includes state and federal prisons and county and city detention facilities. Testing data represents total tests performed, not individuals tested. A single individual may have more than one test completed.

The total number of positive tests may exceed the number of confirmed cases due to 1) a single individual may have more than one test performed; 2) MDHHS may receive data on positive tests in advance of a local health department classifying an individual as a confirmed or probable case, and 3) although efforts have been made to deduplicate testing data, some duplication may occur.

DIAGNOSTIC TESTS BY RESULT AND COUNTY 2020-10-21

MessageDate	COUNTY	Negative	Positive	Total
10/20/2020	Alcona	8	1	9
10/20/2020	Alger	15	1	16
10/20/2020	Allegan	396	21	417
10/20/2020	Alpena	14	0	14
10/20/2020	Antrim	68	6	74
10/20/2020	Arenac	30	3	33
10/20/2020	Baraga	9	0	9
10/20/2020	Barry	158	12	170
10/20/2020	Bay	139	8	147
10/20/2020	Benzie	74	2	76
10/20/2020	Berrien	593	53	646
10/20/2020	Branch	109	18	127
10/20/2020	Calhoun	638	68	706
10/20/2020	Cass	145	10	155
10/20/2020	Charlevoix	99	4	103
10/20/2020	Cheboygan	24	0	24
10/20/2020	Chippewa	35	1	36
10/20/2020	Clare	10	0	10
10/20/2020	Clinton	166	3	169
10/20/2020	Correctional	444	13	457
10/20/2020	Crawford	25	1	26
10/20/2020	Delta	332	18	350
10/20/2020	Detroit City	1863	47	1910
10/20/2020	Dickinson	43	5	48
10/20/2020	Eaton	361	15	376
10/20/2020	Emmet	44	0	44
10/20/2020	Genesee	1295	76	1371
10/20/2020	Gladwin	16	2	18
10/20/2020	Gogebic	45	4	49
10/20/2020	Grand Traverse	131	12	143
10/20/2020	Gratiot	41	3	44
10/20/2020	Hillsdale	79	4	83
10/20/2020	Houghton	294	4	298
10/20/2020	Huron	80	1	81
10/20/2020	Ingham	816	29	845
10/20/2020	Ionia	206	8	214
10/20/2020	Iosco	36	1	37
10/20/2020	Iron	301	13	314
10/20/2020	Isabella	55	1	56
10/20/2020	Jackson	898	42	940
10/20/2020	Kalamazoo	1335	109	1444
10/20/2020	Kalkaska	26	2	28
10/20/2020	Kent	2612	178	2790
10/20/2020	Keweenaw	17	0	17
10/20/2020	Lake	23	1	24
10/20/2020	Lapeer	126	10	136
10/20/2020	Leelanau	13	0	13

10/20/2020	Lenawee	231	17	248
10/20/2020	Livingston	643	56	699
10/20/2020	Luce	9	0	9
10/20/2020	Mackinac	42	3	45
10/20/2020	Macomb	2037	191	2228
10/20/2020	Manistee	108	2	110
10/20/2020	Marquette	740	67	807
10/20/2020	Mason	74	5	79
10/20/2020	Mecosta	96	3	99
10/20/2020	Menominee	81	11	92
10/20/2020	Midland	98	10	108
10/20/2020	Missaukee	12	0	12
10/20/2020	Monroe	273	28	301
10/20/2020	Montcalm	221	10	231
10/20/2020	Montmorency	7	1	8
10/20/2020	Muskegon	377	15	392
10/20/2020	Newaygo	108	5	113
10/20/2020	Oakland	3801	258	4059
10/20/2020	Oceana	55	5	60
10/20/2020	Ogemaw	25	2	27
10/20/2020	Ontonagon	20	0	20
10/20/2020	Osceola	52	4	56
10/20/2020	Oscoda	7	0	7
10/20/2020	Otsego	52	4	56
10/20/2020	Ottawa	1388	44	1432
10/20/2020	Presque Isle	11	0	11
10/20/2020	Roscommon	39	1	40
10/20/2020	Saginaw	506	30	536
10/20/2020	Sanilac	39	2	41
10/20/2020	Schoolcraft	7	0	7
10/20/2020	Shiawassee	205	6	211
10/20/2020	St Clair	323	25	348
10/20/2020	St Joseph	190	14	204
10/20/2020	Tuscola	83	6	89
10/20/2020	Unknown	1005	44	1049
10/20/2020	Van Buren	300	17	317
10/20/2020	Washtenaw	1751	66	1817
10/20/2020	Wayne	3799	247	4046
10/20/2020	Wexford	32	4	36